

*Titles of Papers read before the Society, between February
1843 and February 1844.*

1843.

- ar. 10. Occultations observed at Port Royal Dockyard, Jamaica.
By Capt. Alexander Milne, H.M.S. Crocodile. Communicated by the Rev. George Fisher.

Observations of the Beginning and End of the Solar Eclipse on the 8th of July, 1842, in the Fort on the left bank of the Shanghai River, near the town of Woosung, on the Coast of China. By Capt. Sir Everard Home, Bart. Communicated by the Rev. George Fisher.

Translation of a Letter from M. Hansen to R. W. Rothman, Esq., accompanying a copy of a printed paper on the Perturbations of the Heavenly Bodies moving in very Eccentric and very Inclined Orbits.

On the Application of the Method of Least Squares to the Determination of the most probable Errors of Observation in a portion of the Ordnance Survey of England. By Thomas Galloway, Esq. A.M. F.R.S., one of the Secretaries of the Society.

A communication received by the President from the Rev. Baden Powell, on an easy and convenient Method of Imitating the Corona, or Glory, that surrounds the body of the Moon, during the time of total darkness, in Total Eclipses of the Sun.

- April 12. Extract of a Letter from M. Bessel to Professor Henderson, dated November 14, 1842. Communicated by Professor Henderson.

Letter from Professor Henderson to the Secretary, dated March 23, 1843, on the great Comet of 1843.

Elements of the great Comet of 1843, with an Ephemeris, from the Observations of March 20, 22, and 25, reported in Professor Schumacher's Circular. By Professor Henderson.

Letter from Lieut. G. B. G. Downes, R.E. to Professor Henderson. Communicated by Professor Henderson.

Letter from Professor Henderson to the Secretary, on the great Comet of 1843.

Letter from T. Forster, Esq., dated Bruges, March 22, 1843, on the great Comet.

Second Letter from T. Forster, Esq., dated Bruges, March 28, 1843, on the great Comet.

Letter from J. Nasymth, Esq. to Sir J. F. W. Herschel, Bart., on an early Observation of the Train of the great Comet. Communicated by Sir J. F. W. Herschel, Bart.

Letter from M. C. L. Littrow, Director of the Observatory of Vienna, on the great Comet. Communicated by T. Galloway, Esq.

- Two Circular Letters from Professor Schumacher, dated March 26 and March 31, 1843, on the great Comet.
 Notices of the Comet from the Islands of St. Vincent's and St. Christopher's.
- May 12. A Memoir on Astronomical Drawing. By Charles Piazzi Smyth, Esq. Communicated by Capt. W. H. Smyth, R.N.
- On a Revision of the Boundaries of the Constellations, as usually drawn on Celestial Maps and Globes. By F. Baily, Esq., President of the Society.
- Account of an Observation of the Solar Eclipse of the 7th of July, 1843, made at Starfield Observatory, together with an Account of some Chronometrical Experiments made to determine the Longitude of that Observatory. By W. Lassell, Esq.
- Professor Schumacher's third, fourth, and fifth Circulars on the great Comet of 1843.
- Circular Letter from Professor Schumacher on a Telescopic Comet discovered by M. Mauvais on May 3, 1843.
- June 9. On a Self-acting Dividing Engine. By William Simms, Esq.
- Recomputation of Roy's Triangulation for connecting the Observatories of Greenwich and Paris. By W. Galbraith, Esq.
- Occultations of Fixed Stars and the Planet *Jupiter* by the Moon. Observed at Hamburgh by C. Rumker, Esq.
- Notes on the Appearance of the great Comet of 1843, made during a Voyage from the Cape of Good Hope to England. By M. Close, Esq., Commander of the Ship *Ellenborough*.
- A Letter from John Belam, Esq., Master of H. M. Sloop *Albatross*, on the great Comet of 1843. Communicated by G. B. Airy, Esq., Astronomer Royal.
- Observations of the Comet by S. C. Walker, Esq. and Professor Kendall, at the Observatory of the High School at Philadelphia. Communicated by Lieut.-Col. Sabine.
- Notes on the Comet, accompanied by a Pencil Sketch. By Capt. Hopkins, commanding the East India Company's Ship *Seringapatam*, on a voyage from the Cape of Good Hope. Communicated by Sir J. F. W. Herschel, Bart.
- Extract of a Letter on the great Comet from Lieut. D. W. Tyler, R.E., dated St. Kitts, March 6, 1843.
- Letter from J. T. Austin, Esq., dated Funchal, Madeira, April 8, 1843, accompanying a Sketch of the Comet. Communicated by Sir J. F. W. Herschel, Bart.

- Notes on the Comet, as seen by M. Montojo, at San Fernando. Communicated by Sir J. F. W. Herschel, Bart.
- Account of the Comet, as seen on board the *Childe Harold* on her voyage from Bombay to London. By Lieut. W. S. Jacob, Bombay Engineers.
- Letter from T. Forster, Esq., on the Comet, dated Bruges, April 22, 1843.
- Account of the Comet, as seen on board the Ship *Malabar*, on her passage from the Cape of Good Hope. By R. Pollock, Esq. Commander.
- Letter on the Great Comet from H. A. Cowper, Esq. H. M. Consul at Pernambuco in Brasil, dated March 9, 1843.
- Observations of the Great Comet, made at the Royal Observatory, Cape of Good Hope, by Charles Piazzi Smyth, Esq. Communicated by Sir J. F. W. Herschel, Bart.
- Abstract, by the Secretary, of Newspaper Accounts of the Great Comet, which have been forwarded to the Society.
- Observations of the Comet, made at the Observatory of Trevandrum, accompanied by a Drawing. By J. Caldecott, Esq. Director of the Observatory.
- Letter from Professor Kendall, containing Observations of the Comet, made at Philadelphia. Communicated by Lieut.-Col. Sabine.
- Observations of Distance of the Comet from known Stars, made at Demerara. By Captain Geale, of the Ship *Isabella*, Lieut. A. S. Glascott, R.N. and J. Donald, Esq. Communicated by Sir J. F. W. Herschel, Bart.
- Some Account of the Comet in a Letter from J. Gimblett, Esq. Communicated by Sir J. F. W. Herschel, Bart.
- Extract of a Letter from Lieut.-Col. Harvey, 14th Light Dragoons, dated Poona, March 13. Communicated by Professor Narrien.
- Nov. 10. Description of a small Observatory, constructed at Poona in 1842, accompanied by Observations of Eclipses, &c., of *Jupiter's* Satellites. By Lieut. W. S. Jacob, Bombay Engineers.
- Letter respecting the Great Comet, from S. C. Walker, Esq., dated Philadelphia, May 23, 1843. Communicated by Sir J. F. W. Herschel, Bart.
- Observations of the Great Comet. By Captain Tucker, R.N. Communicated by the Lords Commissioners of the Admiralty.
- Observations of the Comet made at Auckland, New Zealand, accompanied by a Map of its progress

- amongst the Stars. By John Collyer Haile, Esq.
Communicated by G. B. Airy, Esq. Astronomer Royal.
- Notes on the Comet, extracted from the Journal of Capt.
G. Rodney Mundy, R.N. Commander of Her Majesty's
Ship Iris. Communicated by G. B. Airy, Esq.
- Extracts from a Daily Journal of Remarks and Observa-
tions on the Comet, as seen at Van Dieman's Land.
By Lieut. Kay, R.N. Communicated by Lieut.-Col.
Sabine.
- Extract of a Letter from A. Abbott, Esq., containing
Remarks on the Comet, as seen at Madeira, accom-
panied by Two Drawings. Communicated by Sir
J. F. W. Herschel, Bart.
- Observations of the Comet. By Captain P. P. King,
R.N., made at Port Stephens, New South Wales.
Communicated by Captain Beaufort, R.N.
- Abstract of an Article on the Comet in *Le Cernéen*, a
Newspaper, published at Port Louis, Mauritius, March
14, 1843. Communicated by G. B. Airy, Esq.
- An Account of the Comet, extracted from the *Colonial
Observer*, of March 8, 1843, published at Sydney,
New South Wales. Communicated by F. Baily, Esq.
- Copy of a Letter, addressed to the Editor of the *New
Zealand Colonist*. By Captain W. M. Smith, R.A.;
and Extracts from Three other Letters from New
Zealand, containing Accounts of the Comet. Com-
municated by F. Baily, Esq.
- Observations of the Comet, as seen at Sea off the Island
of Timor. By J. A. Murray, Esq. Communicated by
J. B. Airy, Esq.
- Pen-drawings of the appearance of the Comet. By Mrs.
Grant. Communicated by Sir J. F. W. Herschel,
Bart.
- A Letter from R. H. Williams, Esq., containing an Ex-
tract from Notes on the Comet, made at the Observa-
tory of Batavia. Communicated by G. B. Airy, Esq.
- Remarks on the Comet, as seen at Galveston, Texas.
By W. Bollaert, Esq. Communicated by F. Baily,
Esq.
- Letter from the Rev. W. S. Mackay to Sir J. F. W.
Herschel, dated Calcutta, June 10, 1843, on the
appearance of the Comet, and the variability of the
Star *Argús*. Communicated by Sir J. F. W. Herschel,
Bart.
- Observations of the Comet made at the Mauritius, in
March, 1843. By W. Lloyd, Esq.
- Occultations observed at Ashurst in the year, 1843. By
R. Snow, Esq.
- Right Ascensions and Declinations of the Comet of
Mauvais, observed at Hamburg. By C. Rumker, Esq.

Communicated in a Letter to F. Baily, Esq., dated July 25, 1843; and a Letter to Dr. Lee, dated August 18, 1843.

On the Divisions of the Exterior Ring of the Planet *Saturn*. By the Rev. W. R. Dawes.

Dec. 8. On the Apparent Magnitudes of the Fixed Stars. By Charles Piazzi Smyth, Esq. Communicated by Capt. W. H. Smyth, R.N.

Description of an Astronomical Time Watchcase. By the Rev. Professor Chevallier.

Mean Places, for Jan. 1, 1842, of Fifty Telescopic Stars, within Two Degrees North Polar Distance, observed in the years 1842 and 1843, at Markree, in the County of Sligo. By E. J. Cooper, Esq., and A. Graham, Esq.

On the Orbits of several Ancient Comets. By J. R. Hind, Esq. of the Royal Observatory, Greenwich. Communicated by the Rev. R. Main.

Approximate Elements of the Orbit of the Comet, discovered by M. Faye. By Professor Henderson.

Two Circular Letters from Professor Schumacher on the Comet, discovered by M. Faye. Communicated by F. Baily, Esq.

Results of Observations made with a Sextant and a Pocket Chronometer, for determining the Latitude and Longitude of the Apartments of the Society. By J. Hartnup, Esq. Communicated by Captain W. H. Smyth, R.N.

1844.
Jan. 12. On the Advantages of employing Large Specula and Elevated Situations for Astronomical Observations. By C. Piazzi Smyth, Esq. Communicated by Captain W. H. Smyth, R.N.

Observations of the Planet *Uranus*, made in the year 1843. By C. Rumker, Esq. Communicated by Dr. Lee.

Letter from Professor Schumacher to F. Baily, Esq., dated January 5, 1844, inclosing the Elements of the New Comet, computed by Dr. Goldschmidt.

On the Orbit of the Comet of Faye. By Professor Henderson.

Letter from Professor Henderson, announcing an additional Observation of the Comet of Faye.

Elements of the Comet of Faye, computed by J. C. Adams, Esq. of St. John's College, Cambridge. Communicated by Professor Challis.

Observations of the Comet of Faye. By C. Rumker, Esq. Communicated by Dr. Lee.

Observations of the Comet of Faye, made at Starfield. By W. Lassell, Esq.

Observations of the Great Comet of 1843, made by J.

Burdwood, Esq. Master of Her Majesty's Sloop Persian.
Communicated by G. B. Airy, Esq.

Remarks on the Great Comet, as seen on board the
Lawrence of Liverpool, on her passage from Sydney to
Conception. By a Passenger. Communicated by W.
Simms, Esq.

Abstract of an Article in *Silliman's Journal*, containing
an Account of Observations of the Great Comet, made
near the time of its Perihelion Passage. By J. G.
Clarke, Esq. of Portland.

On the Deducing of the Parallax of *Mars*, and hence
that of the Sun, from the Geocentric Motion of the
former when in Opposition, and especially when near
the Node of his Orbit. By S. M. Drach, Esq.

A Letter from Sir J. F. W. Herschel, Bart. to F. Baily,
Esq., dated September 6, 1842, on the Increase in
Magnitude of the Star α *Cygni*.

*List of Public Institutions and of Persons who have contributed
to the Society's Library, &c. since the last Anniversary.*

Her Majesty's Government.

Royal Society of London.

L'Académie Royale des Sciences de l'Institut de France.

Bureau des Longitudes.

British Association.

Royal Academy of Munich.

Royal Irish Academy.

Italian Society.

Imperial Academy of St. Petersburg.

American Philosophical Society.

Royal Society of Göttingen.

Royal Academy of Lisbon.

Royal Academy of Brussels.

Royal Academy of Berlin.

L'Administration Imperial des Mines de Russie.

Royal Society of Edinburgh.

Royal Geographical Society.

Royal Asiatic Society.

Geological Society of London.

Zoological Society of London.

Linnean Society of London.

Society of Arts.

Institution of Civil Engineers.

United Service Institution.

Yorkshire Philosophical Society.

Manchester Philosophical Society.